

Title (en)

FLAT SEAL COMPRISING SEALING BEAD AND EMBOSSING, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

FLACHDICHTUNG MIT DICHTSICKE UND EINPRÄGUNG SOWIE HERSTELLUNGSVERFAHREN DAVON

Title (fr)

JOINT PLAT À NERVURE D'ÉTANCHÉITÉ ET PARTE EN CREUX AINSI QUE SON PROCÉDÉ DE PRODUCTION

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Application

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Abstract (en)

[origin: WO2010130469A1] The invention relates to a metallic flat seal, in particular a cylinder head gasket, comprising at least one through-hole, a functional layer (2), a spacer layer (4), and a stopper layer (6) which is arranged between the functional layer (2) and the spacer layer (4), as well as a closed sealing bead (12) around every through-hole in the functional layer (2), wherein the sealing bead (12) points in the direction of the stopper layer (6). The seal additionally comprises an embossed closed contour (16) around every through-hole in at least the stopper layer (6), the functional layer (2) or the spacer layer (4), the contour (16) forming a fixing aid. The invention further relates to a production method for the metallic flat seal, in particular a cylinder head gasket, with at least one through-hole, comprising the following steps: providing a functional layer (2), a spacer layer (4), and a stopper layer (6) arranged between the functional layer (2) and the spacer layer (4); providing a closed sealing bead (12) around each through-hole in the functional layer (2), wherein the sealing bead (12) points in the direction of the stopper layer (6); and embossing a closed contour (16) around each through-hole at least in the stopper layer (6), the functional layer (2), or the spacer layer (4), the contour (16) forming a fixing aid.

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